



# ***STIC Search Report***

***EIC 1700***

**STIC Database Tracking Number: 101**

**TO: Eisa Elhilo  
Location: CP3 9D34  
Art Unit : 1751  
August 19, 2003**

**Case Serial Number: 09/890856**

**From: Kathleen Fuller  
Location: EIC 1700  
CP3/4 3D62  
Phone: 308-4290**

**Kathleen.Fuller@uspto.gov**

## **Search Notes**

=> FILE REG

FILE 'REGISTRY' ENTERED AT 16:30:22 ON 18 AUG 2003  
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STRUCTURE FILE UPDATES: 15 AUG 2003 HIGHEST RN 567484-39-3  
DICTIONARY FILE UPDATES: 15 AUG 2003 HIGHEST RN 567484-39-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 16:30:26 ON 18 AUG 2003  
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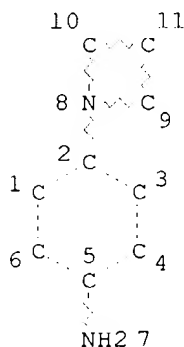
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FILE COVERS 1907 - 18 Aug 2003 VOL 139 ISS 8  
FILE LAST UPDATED: 17 Aug 2003 (20030817/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> D QUE

L21 STR



## NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 11

## STEREO ATTRIBUTES: NONE

L23 38 SEA FILE=REGISTRY SSS FUL L21

L24 10 SEA FILE=HCAPLUS ABB=ON L23

L25 1 SEA FILE=HCAPLUS ABB=ON L24 AND (HAIR OR KERAT?)

=&gt; D L25 ALL HITSTR

L25 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:434827 HCAPLUS

DN 135:50852

TI Compositions for dyeing **keratin** fibers, containing  
paraphenylenediamine derivatives with an azetidiny l group

IN Terranova, Eric; Fadli, Aziz

PA L'oreal, Fr.

SO PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001041724	A2	20010614	WO 2000-FR3433	20001207
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

FR 2802091 A1 20010615 FR 1999-15570 19991208  
EP 1185236 A2 20020313 EP 2000-988896 20001207  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO  
JP 2003516336 T2 20030513 JP 2001-542893 20001207  
US 2003028976 A1 20030213 US 2001-890856 20011107  
PRAI FR 1999-15570 A 19991208  
WO 2000-FR3433 W 20001207  
OS MARPAT 135:50852  
AB The invention relates to novel compns. for oxidn. dyeing of  
**keratin** fibers, contg. at least one paraphenylenediamine deriv.  
with an azetidiny group as the oxidn. base, and also to the dyeing method  
and to a dyeing kit for using the inventive compn. The invention also  
relates to novel paraphenylenediamines with an azetidiny group.  
ST **hair dye keratin** paraphenylenediamine azetidiny group  
IT Coupling agents  
pH  
(compns. for dyeing **keratin** fibers, contg.  
paraphenylenediamine derivs. with an azetidiny group)  
IT Phosphates, biological studies  
Salts, biological studies  
Sulfates, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(compns. for dyeing **keratin** fibers, contg.  
paraphenylenediamine derivs. with an azetidiny group)  
IT Bromates  
Enzymes, biological studies  
RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological  
study); RACT (Reactant or reagent); USES (Uses)  
(compns. for dyeing **keratin** fibers, contg.  
paraphenylenediamine derivs. with an azetidiny group)  
IT **Hair** preparations  
(dyes, oxidative; compns. for dyeing **keratin** fibers, contg.  
paraphenylenediamine derivs. with an azetidiny group)  
IT **Keratins**  
RL: PEP (Physical, engineering or chemical process); RCT (Reactant); PROC  
(Process); RACT (Reactant or reagent)  
(fibers; compns. for dyeing **keratin** fibers, contg.  
paraphenylenediamine derivs. with an azetidiny group)  
IT 64-19-7D, Acetic acid, salts, biological studies 77-92-9D, Citric acid,  
salts 87-69-4D, Tartaric acid, salts, biological studies 106-50-3D,  
1,4-Benzenediamine, derivs. 110-15-6D, Succinic acid, salts 503-29-7D,  
Azetidine, derivs. 7647-01-0D, Hydrochloric acid, salts, biological  
studies 10035-10-6D, Hydrobromic acid, salts, biological studies  
111781-87-4 221199-02-6 221199-05-9  
344405-51-2 344405-52-3 344405-53-4  
344405-54-5 344405-55-6 344405-56-7  
344405-57-8 344405-59-0 344405-61-4  
344405-62-5 344405-65-8 344405-67-0  
344405-69-2 344405-70-5 344405-72-7  
344405-74-9 344405-75-0 344405-76-1  
344405-78-3 344405-79-4 344405-82-9  
344405-83-0 344405-84-1 344405-85-2  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(compns. for dyeing **keratin** fibers, contg.  
paraphenylenediamine derivs. with an azetidiny group)

IT 89-25-8 90-15-3, .alpha.-Naphthol 108-26-9 108-46-3,  
1,3-Dihydroxybenzene, biological studies 124-43-6 533-31-3, Sesamol  
591-27-5, 3-Aminophenol 608-25-3, 1,3-Dihydroxy-2-methylbenzene  
2380-86-1, 6-Hydroxyindole 2380-94-1, 4-Hydroxyindole 2835-95-2,  
2-Methyl 5-aminophenol 4664-16-8 4770-37-0, 6-Hydroxyindoline  
6201-65-6, 2-Chloro-1,3-dihydroxybenzene 7469-77-4, 2-Methyl-1-naphthol  
7556-37-8 7722-84-1, Hydrogen peroxide, biological studies 55302-96-0  
70643-19-5 81892-72-0 83763-47-7

RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)

(comps. for dyeing **keratin** fibers, contg.

paraphenylenediamine derivs. with an azetidiny group)

IT 108-45-2, 1,3-Diaminobenzene, biological studies

RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)

(fibers; comps. for dyeing **keratin** fibers, contg.

paraphenylenediamine derivs. with an azetidiny group)

IT 111781-87-4 221199-02-6 221199-05-9

344405-51-2 344405-52-3 344405-53-4

344405-54-5 344405-55-6 344405-56-7

344405-57-8 344405-59-0 344405-61-4

344405-62-5 344405-65-8 344405-67-0

344405-69-2 344405-70-5 344405-72-7

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344405-83-0 344405-84-1 344405-85-2

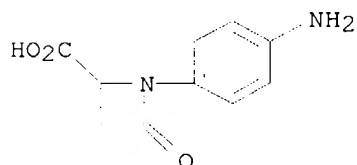
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(comps. for dyeing **keratin** fibers, contg.

paraphenylenediamine derivs. with an azetidiny group)

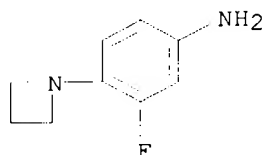
RN 111781-87-4 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-(4-aminophenyl)-4-oxo- (9CI) (CA INDEX NAME)



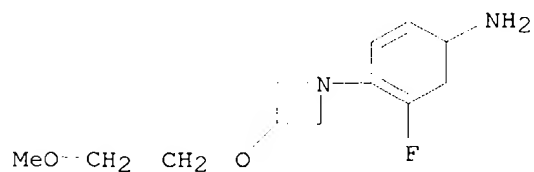
RN 221199-02-6 HCAPLUS

CN Benzenamine, 4-(1-azetidiny)-3-fluoro- (9CI) (CA INDEX NAME)



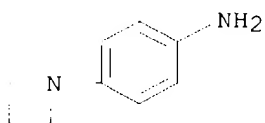
RN 221199-05-9 HCAPLUS

CN Benzenamine, 3-fluoro-4-[3-(2-methoxyethoxy)-1-azetidiny]- (9CI) (CA INDEX NAME)



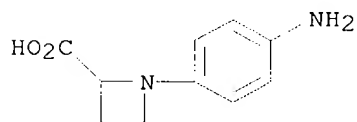
RN 344405-51-2 HCAPLUS

CN Benzenamine, 4-(1-azetidinyl)- (9CI) (CA INDEX NAME)



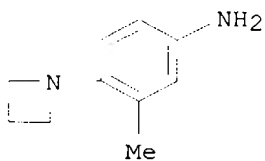
RN 344405-52-3 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-(4-aminophenyl)- (9CI) (CA INDEX NAME)



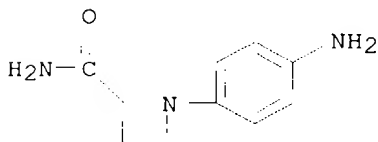
RN 344405-53-4 HCAPLUS

CN Benzenamine, 4-(1-azetidinyl)-3-methyl- (9CI) (CA INDEX NAME)



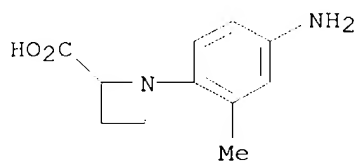
RN 344405-54-5 HCAPLUS

CN 2-Azetidinecarboxamide, 1-(4-aminophenyl)- (9CI) (CA INDEX NAME)



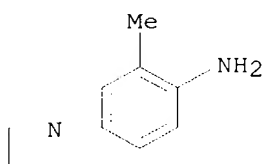
RN 344405-55-6 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-(4-amino-2-methylphenyl)- (9CI) (CA INDEX NAME)



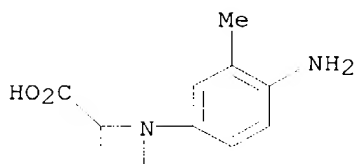
RN 344405-56-7 HCAPLUS

CN Benzenamine, 4-(1-azetidiny)-2-methyl- (9CI) (CA INDEX NAME)



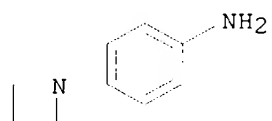
RN 344405-57-8 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-(4-amino-3-methylphenyl)- (9CI) (CA INDEX NAME)



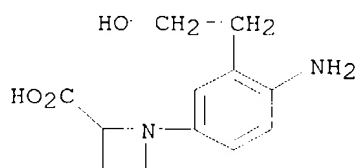
RN 344405-59-0 HCAPLUS

CN Benzeneethanol, 2-amino-5-(1-azetidiny)- (9CI) (CA INDEX NAME)

HO-CH<sub>2</sub>-CH<sub>2</sub>

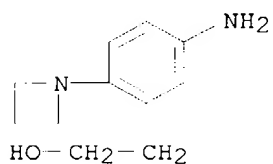
RN 344405-61-4 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-[4-amino-3-(2-hydroxyethyl)phenyl]- (9CI)  
(CA INDEX NAME)

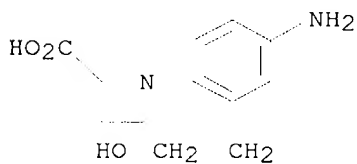


RN 344405-62-5 HCAPLUS

CN Benzeneethanol, 5-amino-2-(1-azetidiny)- (9CI) (CA INDEX NAME)

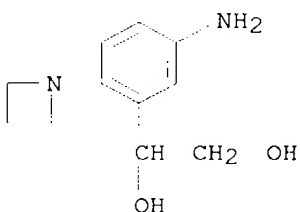


RN 344405-65-8 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-[4-amino-2-(2-hydroxyethyl)phenyl]- (9CI)  
(CA INDEX NAME)

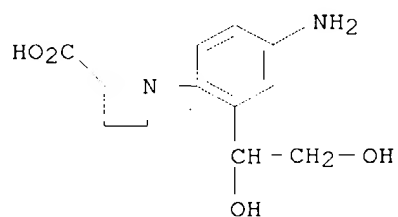
RN 344405-67-0 HCAPLUS

CN 1,2-Ethanediol, 1-[5-amino-2-(1-azetidiny)phenyl]- (9CI) (CA INDEX NAME)



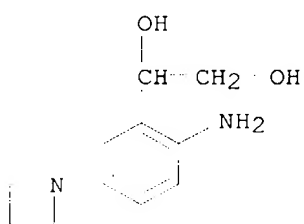
RN 344405-69-2 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-[4-amino-2-(1,2-dihydroxyethyl)phenyl]-  
(9CI) (CA INDEX NAME)



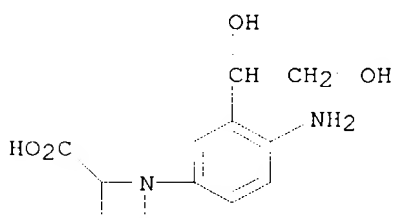
RN 344405-70-5 HCAPLUS

CN 1,2-Ethanedione, 1-[2-amino-5-(1-azetidiny)phenyl]- (9CI) (CA INDEX NAME)



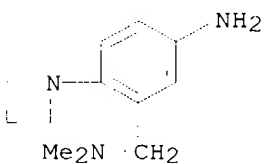
RN 344405-72-7 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-[4-amino-3-(1,2-dihydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



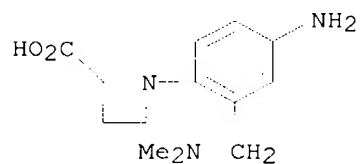
RN 344405-74-9 HCAPLUS

CN Benzenemethanamine, 5-amino-2-(1-azetidiny)-N,N-dimethyl- (9CI) (CA INDEX NAME)



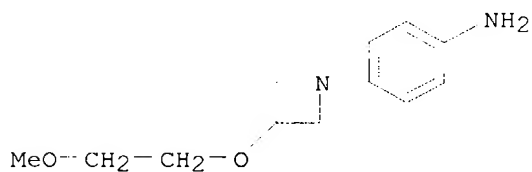
RN 344405-75-0 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-[4-amino-2-[(dimethylamino)methyl]phenyl]- (9CI) (CA INDEX NAME)



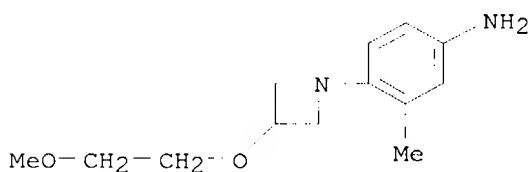
RN 344405-76-1 HCAPLUS

CN Benzenamine, 4-[3-(2-methoxyethoxy)-1-azetidiny]- (9CI) (CA INDEX NAME)



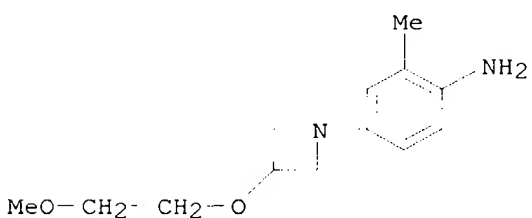
RN 344405-78-3 HCAPLUS

CN Benzenamine, 4-[3-(2-methoxyethoxy)-1-azetidiny]-3-methyl- (9CI) (CA INDEX NAME)



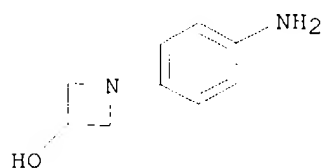
RN 344405-79-4 HCAPLUS

CN Benzenamine, 4-[3-(2-methoxyethoxy)-1-azetidiny]-2-methyl- (9CI) (CA INDEX NAME)



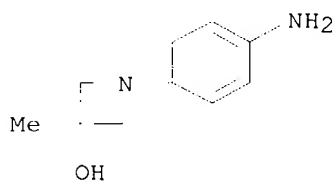
RN 344405-82-9 HCAPLUS

CN 3-Azetidinol, 1-(4-aminophenyl)- (9CI) (CA INDEX NAME)



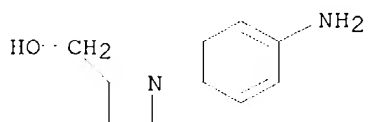
RN 344405-83-0 HCAPLUS

CN 3-Azetidinol, 1-(4-aminophenyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 344405-84-1 HCAPLUS

CN 2-Azetidinemethanol, 1-(4-aminophenyl)- (9CI) (CA INDEX NAME)



RN 344405-85-2 HCAPLUS

CN 2,4-Azetidinedimethanol, 1-(4-aminophenyl)- (9CI) (CA INDEX NAME)

